

| Ref # | Hits | Search Query | DBs | Default Operator | Plurals | Time Stamp |
|-------|------|------------------------|---|------------------|---------|------------------|
| L1 | 819 | 455/91.ccls. | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2005/10/27 14:30 |
| L2 | 357 | 455/118.ccls. | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2005/10/27 14:30 |
| L3 | 1490 | 327/100.ccls. | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2005/10/27 14:30 |
| L4 | 1030 | 327/113.ccls. | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2005/10/27 14:30 |
| L5 | 819 | 455/91.ccls. | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2005/10/27 14:30 |
| L6 | 357 | 455/118.ccls. | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2005/10/27 14:30 |
| L7 | 1490 | 327/100.ccls. | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2005/10/27 14:30 |
| L8 | 1030 | 327/113.ccls. | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2005/10/27 14:30 |
| L9 | 3630 | (L5 OR L6 OR L7 OR L8) | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2005/10/27 14:30 |

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| L10 | 170 | (L5 OR L6 OR L7 OR L8) AND (signal ADJ processor) | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2005/10/27 14:30 |
| L11 | 25 | (L5 OR L6 OR L7 OR L8) AND (signal ADJ processor) AND (direct ADJ conversion) | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2005/10/27 14:30 |
| L12 | 7813 | (direct ADJ conversion) | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2005/10/27 14:30 |
| L13 | 371 | (direct ADJ conversion) AND (square ADJ root) | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2005/10/27 14:30 |
| L14 | 254 | (direct ADJ conversion) AND (square ADJ root) AND (signal ADJ process\$3) | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2005/10/27 14:30 |
| L15 | 483 | (direct NEAR3 conver\$4 NEAR3 modulat\$3) | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2005/10/27 14:30 |
| L16 | 129 | (direct ADJ conversion) WITH modulator | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2005/10/27 14:30 |
| L17 | 144223 | (signal ADJ processor) | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2005/10/27 14:30 |
| L18 | 94 | (signal ADJ processor) WITH (square ADJ root) | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2005/10/27 14:30 |
| L19 | 53 | (L5 OR L6 OR L7 OR L8) AND (square ADJ root) | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2005/10/27 14:30 |

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| L20 | 731 | ((square ADJ root) WITH analog) | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2005/10/27 14:30 |
| L21 | 143 | (direct ADJ conversion ADJ transmitter) | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2005/10/27 14:30 |
| L22 | 191124 | (LO OR (local ADJ oscillator)) | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2005/10/27 14:30 |
| L23 | 26180 | ((LO OR (local ADJ oscillator)) WITH frequency) | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2005/10/27 14:30 |
| L24 | 253 | ((LO OR (local ADJ oscillator)) WITH (half ADJ3 frequency)) | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2005/10/27 14:30 |
| L25 | 326 | (Gilbert ADJ multiplier) | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2005/10/27 14:30 |
| L26 | 5904 | ((wireless OR cellular OR cell OR mobile) WITH (phone OR telephone OR device)) AND (square ADJ root) | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2005/10/27 14:30 |
| L27 | 4401 | ((wireless OR cellular OR cell OR mobile) NEAR3 (phone OR telephone OR device)) AND (square ADJ root) | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2005/10/27 14:30 |
| L28 | 117 | ((wireless OR cellular OR cell OR mobile) NEAR3 (phone OR telephone OR device)) AND ((square ADJ root ADJ3 signal)) | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2005/10/27 14:30 |
| L29 | 634 | ((direct ADJ conver\$4) OR (zero ADJ IF) OR homodyn\$4) AND (square NEAR2 root\$3) | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2005/10/27 14:30 |

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| L30 | 2695 | ("330"/\$\$.ccls OR "332"/\$\$.ccls OR "370"/\$\$.ccls OR "375"/\$\$.ccls.) AND (square NEAR2 root\$3) | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2005/10/27 14:30 |
| L31 | 311 | ("330"/\$\$.ccls OR "332"/\$\$.ccls OR "370"/\$\$.ccls OR "375"/\$\$.ccls.) AND ((square NEAR2 root\$3) WITH (input OR feed OR coupl\$4)) | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2005/10/27 14:30 |
| L32 | 1 | (L5 OR L6 OR L7 OR L8) AND (signal ADJ processor) AND (direct ADJ conversion ADJ modulator) | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2005/10/27 14:30 |
| L33 | 1 | (signal ADJ processor) WITH (square ADJ root) WITH (analog AND DSP) | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2005/10/27 14:30 |
| L34 | 1 | ((wireless OR cellular OR cell OR mobile) NEAR3 (phone OR telephone OR device)) AND ((square ADJ root ADJ3 signal) WITH digital WITH analog) | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2005/10/27 14:30 |
| L35 | 4 | (signal ADJ processor) AND (direct ADJ conversion ADJ modulator) | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2005/10/27 14:30 |
| L36 | 3 | (signal ADJ processor) AND (direct ADJ conversion ADJ modulator) AND (square ADJ root) | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2005/10/27 14:30 |
| L37 | 3 | (direct ADJ conversion ADJ modulator) AND (square ADJ root) | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2005/10/27 14:30 |
| L38 | 5 | (direct ADJ conversion ADJ modulat\$4) AND (square ADJ root) | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2005/10/27 14:30 |
| L39 | 3 | ((direct ADJ conversion) SAME (square ADJ root) SAME (signal ADJ process\$3)) | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2005/10/27 14:30 |

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| L40 | 8 | ((direct ADJ conversion) WITH modulator) AND (square ADJ root) AND (signal ADJ process\$3) | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2005/10/27 14:30 |
| L41 | 11 | ((direct ADJ conversion) WITH modulator) AND (square ADJ root) | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2005/10/27 14:30 |
| L42 | 13 | ((direct ADJ conversion) WITH modulation) AND (square ADJ root) AND (signal ADJ process\$3) | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2005/10/27 14:30 |
| L43 | 14 | (direct ADJ conversion ADJ modulator) | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2005/10/27 14:30 |
| L44 | 2 | (direct NEAR3 conver\$4 NEAR3 modulat\$3) SAME (square ADJ root) | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2005/10/27 14:30 |
| L45 | 27 | (direct NEAR3 conver\$4 NEAR3 modulat\$3) AND (square ADJ root) | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2005/10/27 14:30 |
| L46 | 11 | ((direct ADJ conversion) WITH modulator) AND (square ADJ root) | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2005/10/27 14:30 |
| L47 | 13 | (signal ADJ processor) WITH (square ADJ root) WITH analog | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2005/10/27 14:30 |
| L48 | 53 | (digital ADJ signal ADJ processor) WITH (square ADJ root) | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2005/10/27 14:30 |
| L49 | 2 | (L5 OR L6 OR L7 OR L8) AND ((square ADJ root) WITH analog) | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2005/10/27 14:30 |

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| L50 | 13 | ((signal ADJ processor) WITH (square ADJ root) WITH analog) | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2005/10/27 14:30 |
| L51 | 24 | (direct ADJ conversion ADJ transmitter) AND (square ADJ root) | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2005/10/27 14:30 |
| L52 | 6 | ((LO OR (local ADJ oscillator)) WITH (half ADJ3 frequency) WITH modulator) | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2005/10/27 14:30 |
| L53 | 12 | ((LO OR (local ADJ oscillator)) WITH (half ADJ3 frequency)) SAME modulator | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2005/10/27 14:30 |
| L54 | 6 | L53 NOT L52 | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2005/10/27 14:30 |
| L55 | 12 | (Gilbert ADJ multiplier) WITH (squar\$4) | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2005/10/27 14:30 |
| L56 | 59 | ((wireless OR cellular OR cell OR mobile) NEAR3 (phone OR telephone OR device)) AND ((square ADJ root) WITH signal WITH process\$4) | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2005/10/27 14:30 |
| L57 | 9 | ((wireless OR cellular OR cell OR mobile) NEAR3 (phone OR telephone OR device)) AND ((square ADJ root ADJ function) WITH signal WITH process\$4) | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2005/10/27 14:30 |
| L58 | 79 | ((wireless OR cellular OR cell OR mobile) NEAR3 (phone OR telephone OR device)) AND ((square ADJ root ADJ function)) | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2005/10/27 14:30 |
| L59 | 2 | "4731796".pn. | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2005/10/27 14:30 |

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| L60 | 2 | "20020136288" | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2005/10/27 14:30 |
| L61 | 3 | "6717980".pn. | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2005/10/27 14:30 |
| L62 | 83 | (((direct ADJ conver\$4) OR (zero ADJ IF) OR homodyn\$4) WITH modulat\$4) AND (square NEAR2 root\$3) | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2005/10/27 14:30 |
| L63 | 9 | (((direct ADJ conversion ADJ transmitter) OR (zero ADJ IF)) WITH (one OR single) WITH (mixer OR LO OR (local NEAR oscillator))) | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2005/10/27 14:30 |
| L64 | 264 | ("330"/\$\$\$.ccls OR "332"/\$\$\$.ccls OR "370"/\$\$\$.ccls OR "375"/\$\$.ccls.) AND ((square NEAR2 root\$3) WITH (input OR feed OR coupl\$4)) AND (modulat\$4 OR mix\$4) | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2005/10/27 14:30 |
| L65 | 132 | (((direct adj conver\$4) or (zero adj IF) or homodyn\$4) with (modulat\$4 or transmit\$4)) and (square near2 root\$3) | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2005/10/27 14:30 |